

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/706,507A

CRF Processing Date: 7/9/92
Edited by: _____
Verified by: _____ (SAC sta) Changed a file from non-ASCII to ASCII Changed the margins in cases where the sequence text was wrapped down to the next line. Edited a format error in the Current Application Data section, specifically: Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____ Added the mandatory heading and subheadings for "Current Application Data". Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer. Changed the spelling of a mandatory field (the headings or subheadings), specifically: Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place. Inserted colons after headings/subheadings. Headings edited included: Deleted extra, invalid, headings used by an applicant, specifically:duplicate L1507 and L1517 lines Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as _____ Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____ Other:

* Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



1600

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/706,507A

DATE: 07/09/2002
 TIME: 14:56:10

Input Set : N:\AMC\I706507A.raw.txt
 Output Set: N:\CRF3\07092002\I706507A.raw

1 <110> APPLICANT: Cambridge Antibody Technology
 2 Cambridge Antibody Technology Limited
 3 Medical Research Council
 4 McCafferty, John
 5 Pope, Anthony
 6 Johnson, Kevin
 7 Hoogenboom, Hendricus
 8 Griffiths, Andrew
 9 Jackson, Ronald
 10 Holliger, Kasper
 11 Marks, James
 12 Clackson, Timothy
 13 Chiswell, David
 14 Winter, Gregory
 15 Bonert, Timothy
 16 <120> TITLE OF INVENTION: Methods for Producing Members of Specific Binding
 17 Pairs
 18 <130> FILE REFERENCE: 13839-00012
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/09/706,507A
 20 <141> CURRENT FILING DATE: 2000-11-03
 21 <150> PRIOR APPLICATION NUMBER: GB 9015198.6
 22 <151> PRIOR FILING DATE: 1990-07-10
 23 <150> PRIOR APPLICATION NUMBER: GB 9022845.3
 24 <151> PRIOR FILING DATE: 1990-10-19
 25 <150> PRIOR APPLICATION NUMBER: GB 9024503.6
 26 <151> PRIOR FILING DATE: 1990-11-12
 27 <150> PRIOR APPLICATION NUMBER: GB 9104744.9
 28 <151> PRIOR FILING DATE: 1991-03-06
 29 <150> PRIOR APPLICATION NUMBER: GB 9110549.4
 30 <151> PRIOR FILING DATE: 1991-05-15
 31 <150> PRIOR APPLICATION NUMBER: PCT/GB91/01134
 32 <151> PRIOR FILING DATE: 1991-07-10
 33 <150> PRIOR APPLICATION NUMBER: US 07/971,857
 34 <151> PRIOR FILING DATE: 1993-01-08
 35 <150> PRIOR APPLICATION NUMBER: US 08/484,893
 36 <151> PRIOR FILING DATE: 1995-06-07
 37 <160> NUMBER OF SEQ ID NOS: 272
 38 <170> SOFTWARE: PatentIn version 3.1
 40 <210> SEQ ID NO: 1
 41 <211> LENGTH: 5
 42 <212> TYPE: PRT
 43 <213> ORGANISM: Bacteriophage fd
 44 <400> SEQUENCE: 1

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/706,507A

DATE: 07/09/2002

TIME: 14:56:10

Input Set : N:\AMC\I706507A.raw.txt
Output Set: N:\CRF3\07092002\I706507A.raw

45 Gln Val Gln Leu Gln
46 1 5
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 5
50 <212> TYPE: PRT
51 <213> ORGANISM: Bacteriophage fd
52 <400> SEQUENCE: 2
53 Val Thr Val Ser Ser
54 1 5
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 5
58 <212> TYPE: PRT
59 <213> ORGANISM: Bacteriophage fd
60 <400> SEQUENCE: 3
61 Leu Glu Ile Lys Arg
62 1 5
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 75
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: oligonucleotide for mutagensis
70 <400> SEQUENCE: 4
71 actttcaaca gtttctgcgg ccgcccgttt gatctcgagc tcctgcagtt ggacctgtgc 60
72 actgtgagaa tagaa 75
74 <210> SEQ ID NO: 5
75 <211> LENGTH: 22
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: PCR primer
80 <400> SEQUENCE: 5
81 aggtgcagct gcaggagtca gg 22
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 34
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: PCR primer
89 <400> SEQUENCE: 6
90 ggtgacactcg agtgaagatt tgggctcaac ttcc 34
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 27
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: PCR primer
98 <400> SEQUENCE: 7
99 tqaqqacwcw qccqtctact actgtqc 27

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/706,507A

DATE: 07/09/2002

TIME: 14:56:10

Input Set : N:\AMC\I706507A.raw.txt

Output Set: N:\CRF3\07092002\I706507A.raw

101 <210> SEQ ID NO: 8
 102 <211> LENGTH: 24
 103 <212> TYPE: DNA
 104 <213> ORGANISM: Artificial Sequence
 105 <220> FEATURE:
 106 <223> OTHER INFORMATION: oligonucleotide probe distinguishing between pAb D1.3
 and pAB NQ1
 108 1
 109 <400> SEQUENCE: 8
 110 gtagtcaagc ctataatctc tctc 24
 112 <210> SEQ ID NO: 9
 113 <211> LENGTH: 51
 114 <212> TYPE: DNA
 115 <213> ORGANISM: Artificial Sequence
 116 <220> FEATURE:
 117 <223> OTHER INFORMATION: PCR primer
 118 <400> SEQUENCE: 9
 119 tatttcaca gtgcacaaac ttttgaacgg acaccagaaa tgccctgttct g 51
 121 <210> SEQ ID NO: 10
 122 <211> LENGTH: 39
 123 <212> TYPE: DNA
 124 <213> ORGANISM: Artificial Sequence
 125 <220> FEATURE:
 126 <223> OTHER INFORMATION: PCR primer
 127 <400> SEQUENCE: 10
 128 acatgtacat gcggccgctt tcagccccag agcggctt 39
 130 <210> SEQ ID NO: 11
 131 <211> LENGTH: 33
 132 <212> TYPE: DNA
 133 <213> ORGANISM: Artificial Sequence
 134 <220> FEATURE:
 135 <223> OTHER INFORMATION: PCR primer
 136 <400> SEQUENCE: 11
 137 tttaatgagg atccacaggt gcagctgcaa gag 33
 139 <210> SEQ ID NO: 12
 140 <211> LENGTH: 30
 141 <212> TYPE: DNA
 142 <213> ORGANISM: Artificial Sequence
 143 <220> FEATURE:
 144 <223> OTHER INFORMATION: PCR primer
 145 <400> SEQUENCE: 12
 146 aacaaatgga tcccgttga tctcaagctt 30
 148 <210> SEQ ID NO: 13
 149 <211> LENGTH: 24
 150 <212> TYPE: DNA
 151 <213> ORGANISM: Artificial Sequence
 152 <220> FEATURE:
 153 <223> OTHER INFORMATION: oligonucleotide for mutagensis - removal of a BamH1
 site
 154

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/706,507A

DATE: 07/09/2002

TIME: 14:56:10

Input Set : N:\AMC\I706507A.raw.txt

Output Set: N:\CRF3\07092002\I706507A.raw

155 <400> SEQUENCE: 13 24
 156 caaacgaatg ggtccttc atta
 158 <210> SEQ ID NO: 14
 159 <211> LENGTH: 26
 160 <212> TYPE: DNA
 161 <213> ORGANISM: Artificial Sequence
 162 <220> FEATURE:
 163 <223> OTHER INFORMATION: oligonucleotide for mutagensis - introduction of a
 164 BamH1 site
 165 <400> SEQUENCE: 14 26
 166 ccccccacccct cggatccrcc accctc
 168 <210> SEQ ID NO: 15
 169 <211> LENGTH: 15
 170 <212> TYPE: PRT
 171 <213> ORGANISM: Artificial Sequence
 172 <220> FEATURE:
 173 <223> OTHER INFORMATION: linker between VH and VLK
 174 <400> SEQUENCE: 15
 175 Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
 176 1 5 10 15
 178 <210> SEQ ID NO: 16
 179 <211> LENGTH: 23
 180 <212> TYPE: DNA
 181 <213> ORGANISM: Artificial Sequence
 182 <220> FEATURE:
 183 <223> OTHER INFORMATION: primer for reverse transcription
 184 <400> SEQUENCE: 16 23
 185 ctggacaggg atccagagtt cca
 187 <210> SEQ ID NO: 17
 188 <211> LENGTH: 23
 189 <212> TYPE: DNA
 190 <213> ORGANISM: Artificial Sequence
 191 <220> FEATURE:
 192 <223> OTHER INFORMATION: primer for reverse transcription
 193 <400> SEQUENCE: 17 23
 194 ctggacaggg ctccatagtt cca
 196 <210> SEQ ID NO: 18
 197 <211> LENGTH: 32
 198 <212> TYPE: DNA
 199 <213> ORGANISM: Artificial Sequence
 200 <220> FEATURE:
 201 <223> OTHER INFORMATION: PCR primer
 202 <400> SEQUENCE: 18
 203 tgaggagacg gtgaccgtgg tccttggcc cc 32
 205 <210> SEQ ID NO: 19
 206 <211> LENGTH: 22
 207 <212> TYPE: DNA
 208 <213> ORGANISM: Artificial Sequence
 209 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/706,507A

DATE: 07/09/2002

TIME: 14:56:10

Input Set : N:\AMC\I706507A.raw.txt

Output Set: N:\CRF3\07092002\I706507A.raw

210 <223> OTHER INFORMATION: PCR primer
 211 <400> SEQUENCE: 19
 212 aggtsmarct gcagsagtcw gg
 214 <210> SEQ ID NO: 20
 215 <211> LENGTH: 24
 216 <212> TYPE: DNA
 217 <213> ORGANISM: Artificial Sequence
 218 <220> FEATURE:
 219 <223> OTHER INFORMATION: PCR primer
 220 <400> SEQUENCE: 20
 221 ccgtttgatt tccagcttgg tgcc
 223 <210> SEQ ID NO: 21
 224 <211> LENGTH: 24
 225 <212> TYPE: DNA
 226 <213> ORGANISM: Artificial Sequence
 227 <220> FEATURE:
 228 <223> OTHER INFORMATION: PCR primer
 229 <400> SEQUENCE: 21
 230 ccgttttatt tccagcttgg tc
 232 <210> SEQ ID NO: 22
 233 <211> LENGTH: 24
 234 <212> TYPE: DNA
 235 <213> ORGANISM: Artificial Sequence
 236 <220> FEATURE:
 237 <223> OTHER INFORMATION: PCR primer
 238 <400> SEQUENCE: 22
 239 ccgttttatt tccaacttg tc
 241 <210> SEQ ID NO: 23
 242 <211> LENGTH: 24
 243 <212> TYPE: DNA
 244 <213> ORGANISM: Artificial Sequence
 245 <220> FEATURE:
 246 <223> OTHER INFORMATION: PCR primer
 247 <400> SEQUENCE: 23
 248 ccgtttcagc tccagcttgg tc
 250 <210> SEQ ID NO: 24
 251 <211> LENGTH: 24
 252 <212> TYPE: DNA
 253 <213> ORGANISM: Artificial Sequence
 254 <220> FEATURE:
 255 <223> OTHER INFORMATION: PCR primer
 256 <400> SEQUENCE: 24
 257 gacattgagc tcacccagtc tc
 259 <210> SEQ ID NO: 25
 260 <211> LENGTH: 24
 261 <212> TYPE: DNA
 262 <213> ORGANISM: Artificial Sequence
 263 <220> FEATURE:
 264 <223> OTHER INFORMATION: PCR primer

22

24

24

24

24

24

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/09/2002
PATENT APPLICATION: US/09/706,507A TIME: 14:56:11

Input Set : N:\AMC\I706507A.raw.txt
Output Set: N:\CRF3\07092002\I706507A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:37; Xaa Pos. 2,4,5
Seq#:38; Xaa Pos. 1,2,4,5
Seq#:75; N Pos. 16,17,18,19,20,21
Seq#:76; N Pos. 16,17,18
Seq#:77; N Pos. 16,17,18

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:37; Line(s) 375,380
Seq#:38; Line(s) 397,402
Seq#:75; Line(s) 738
Seq#:76; Line(s) 753
Seq#:186; Line(s) 1940
Seq#:264; Line(s) 3569



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/706,507A

DATE: 07/09/2002
TIME: 14:14:48

Input Set : A:\50017247_1.RTF
Output Set: N:\CRF3\07092002\I706507A.raw

3 <110> APPLICANT: Cambridge Antibody Technology
 4 Cambridge Antibody Technology Limited
 5 Medical Research Council
 6 McCafferty, John
 7 Pope, Anthony
 8 Johnson, Kevin
 9 Hoogenboom, Hendricus
 10 Griffiths, Andrew
 11 Jackson, Ronald
 12 Holliger, Kasper
 13 Marks, James
 14 Clackson, Timothy
 15 Chiswell, David
 16 Winter, Gregory
 17 Bonert, Timothy
 19 <120> TITLE OF INVENTION: Methods for Producing Members of Specific Binding Pairs
 21 <130> FILE REFERENCE: 13839-00012
 23 <140> CURRENT APPLICATION NUMBER: US 09/706,507A
 24 <141> CURRENT FILING DATE: 2000-11-03
 26 <150> PRIOR APPLICATION NUMBER: GB 9015198.6
 27 <151> PRIOR FILING DATE: 1990-07-10
 29 <150> PRIOR APPLICATION NUMBER: GB 9022845.3
 30 <151> PRIOR FILING DATE: 1990-10-19
 W--> 32 <150> PRIOR APPLICATION NO: GB 9022845.3
 33 <151> PRIOR FILING DATE: 1990-10-19 delete (duplicate)
 35 <150> PRIOR APPLICATION NUMBER: GB 9024503.6
 36 <151> PRIOR FILING DATE: 1990-11-12
 38 <150> PRIOR APPLICATION NUMBER: GB 9104744.9
 39 <151> PRIOR FILING DATE: 1991-03-06
 41 <150> PRIOR APPLICATION NUMBER: GB 9110549.4
 42 <151> PRIOR FILING DATE: 1991-05-15
 44 <150> PRIOR APPLICATION NUMBER: PCT/GB91/01134
 45 <151> PRIOR FILING DATE: 1991-07-10
 47 <150> PRIOR APPLICATION NUMBER: US 07/971,857
 48 <151> PRIOR FILING DATE: 1993-01-08
 50 <150> PRIOR APPLICATION NUMBER: US 08/484,893
 51 <151> PRIOR FILING DATE: 1995-06-07
 53 <160> NUMBER OF SEQ ID NOS: 272
 55 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/706,507A

DATE: 07/09/2002

TIME: 14:14:49

Input Set : A:\50017247_1.RTF

Output Set: N:\CRF3\07092002\I706507A.raw

5593 <210> SEQ ID NO: 272

5594 <211> LENGTH: 15

5595 <212> TYPE: PRT

5596 <213> ORGANISM: Artificial Sequence

5598 <220> FEATURE:

5599 <223> OTHER INFORMATION: linker between VH-HuH1 and VK-HuK3

5601 <400> SEQUENCE: 272

5603 Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser

5604 1 5 10 15

E--> 5607

- 2 -

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/706,507A

DATE: 07/09/2002
TIME: 14:14:50

Input Set : A:\50017247_1.RTF
Output Set: N:\CRF3\07092002\I706507A.raw

L:32 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER
L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:0
L:1014 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0
L:1033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:0
L:5607 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:272